

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An inflator ~~comprising~~ comprising:
a gas generating agent~~[[,]]~~ composition;
a reducing material~~[[,]]~~ material;
an ignition ~~means, and~~ means; and
a coolant/filter surrounding a perimeter of the gas generating composition,
wherein said reducing material is placed in the inflator.
2. (Previously Presented) The inflator according to claim 1, which further comprises means for preventing the change or variance of an NOx reducing effect.
3. (Previously Presented) The inflator according to claim 2, wherein said prevention means is a partition plate.
4. (Canceled)
5. (Original) An air bag system comprising said inflator of claim 1, an impact sensor, control means for inputting a detected signal and outputting an operation signal to said ignition means of a gas generator, and an air bag.

6. (Currently Amended) A method of reducing NO_x generated by the combustion of a gas generating agent inside an inflator for an air bag, by reducing NO_x by a reducing material and decreasing its amount, wherein said inflator comprises an ignition means, a gas generating agent composition and a coolant/filter surrounding a perimeter of the gas generating composition, and said reducing material is placed inside said inflator, and said reducing material is a guanidine derivative.

7. (Previously Presented) The inflator according to claim 1, wherein the reducing material comprises at least one compound selected from the group consisting of amide compounds, guanidine derivatives, tetrazole derivatives, hydrazine derivatives, triazine derivatives, hydroxylamine salts, sodium salts, ammonium salts, amine complexes, cyanates and dicyanamide salts.

8. (Previously Presented) The inflator according to claim 1, wherein the reducing material is used in combination with a reducing catalyst.

9. (Previously Presented) The inflator according to claim 8, wherein the reducing catalyst is at least one compound selected from the group consisting of copper oxide, iron oxide, chromium oxide, nickel oxide, cobalt oxide, and copper chromite.

10. (Previously Presented) The inflator according to claim 8, wherein the reducing catalyst is used at 0.01 to 200 parts by weight on the basis of 100 parts by weight of the reducing material.

11. (Previously Presented) The inflator according to claim 1, wherein the reducing material is used at 0.1 to 20 parts by weight based upon 100 parts by weight of the gas generating agent.

12. (Previously Presented) The inflator according to claim 3, wherein the partition plate comprises metal or plastic.

13. (Previously Presented) The inflator according to claim 3, wherein the partition plate comprises a metal selected from the group consisting of aluminum, silicon, iron and stainless steel.

14. (Previously Presented) The inflator according to claim 3, wherein the partition plate comprises aluminum having a thickness of from about 30 to about 200 μm .

15. (Previously Presented) The inflator according to claim 3, wherein the partition plate comprises silicon having a thickness from about 1 to about 3 mm.